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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-27. (Cancelled)

28. (Currently Amended) A sample instrument for use with a fluidic cartridge, said cartridge having first and second analysis regions, said instrument comprising:

a cartridge holder for engaging said cartridge;

a flow cytometric measuring apparatus positioned to be optically coupled with said first analysis region, said flow cytometric measuring apparatus comprising a first light source, a first photodetector and a second photodetector; and

an absorption measuring apparatus positioned to be optically coupled with said second analysis region, said absorption measuring apparatus comprising a second light source and a third photodetector,

~~The instrument of claim 17~~ wherein said first light source and said first photodetector are positioned to be in the same plane as a stream of particles flowing through said first analysis region.

29. (Previously Presented) The instrument of claim 28 wherein, relative to the stream of particles, said first light source is positioned upstream of said first photodetector.

30. (Previously Presented) The instrument of claim 28 wherein said first light source comprises a laser.